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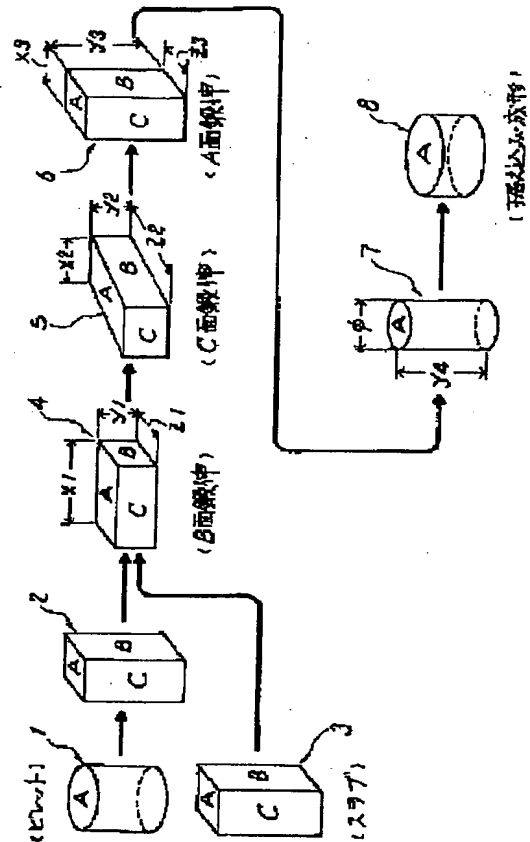
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TITLE : FORGED ROTARY BODY AND
PRODUCTION THEREOF



ABSTRACT : PROBLEM TO BE SOLVED: To provide a forged rotary body having such characteristic as to withstand the max. stress at the rotating time and also, the high speed rotation.

SOLUTION: A round billet 1 is firstly formed as a square 2 and a square slab 3 is cogged as it is. The cogging of a B-surface direction is obtd. by press-forging an A-surface and C-surface in the square blank 4. The cogging of the C-surface direction is obtd. by press-forging the A-surface and the B-surface of the square blank 5. The cogging of the A-surface direction is ibtd. by press-forging the B-surface and the C-surface of the square blank 6. The square blank executing the cogging is formed as a round blank 8 with an up-setting forging to make the size suitable to a die forging. Each surface of the A-surface, B-surface and C-surface of the blank is uniformly forged by combining the coggings to three directions, and the structure having metal flow is obtd. and the unevenness of the flow strength in the radial direction can be restrained and the mechanical property is improved.

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